State of California
AIR RESOURCES BOARD

Research Screening Committee Meeting
Cal/EPA Headquarters Building
1001 I Street
Conference Room 620
Sacramento, California 95814
(916) 445-0753

January 23, 2009
9:00 a.m.

ACTION

<u>Interagency Agreements</u>

1. "Environmental Exposures in Early Childhood Education Environments," University of California, Berkeley, $379,554, Proposal No. 2665-263

--Approved

2. "Neurotoxic Effects of Ambient Particulate Matter: The Role of Oxidative Stress and Inflammation," University of California, Irvine, $309,141, Proposal No. 2667-263

--The Committee requested that this item be deferred to the next Research Screening Committee meeting.

3. "Measurement of Diesel Solid Nanoparticle Emissions Using a Catalytic Stripper for Comparison to Europe's PMP Protocol," University of California, Riverside, $170,000, Proposal No. 2664-263

--Approved

4. "Integrated Physical, Chemical and Optical Measurements of Heavy-Duty Diesel Emissions at NASA AMES Full Scale Wind Tunnel," University of California, Davis, $419,917, Proposal No. 2673-263

--Approved

5. "Black Carbon and the Regional Climate of California," University of California, San Diego, $796,403, Proposal No. 2678-263

--Approved

6. "Assessment of Baseline Nitrous Oxide Emissions in California Cropping Systems," University of California, Davis, $300,000, Proposal No. 2669-263

--Approved

7. "Nocturnal Chemistry in the Urban Boundary Layer of Los Angeles," University of California, Los Angeles, $289,097, Proposal No. 2674-263

--Approved

8. "Characterization of the Atmospheric Chemistry in the Southern San Joaquin Valley and an Initial Comparison with Atmospheric Chemistry int eh South Coast Air Basin," University of California, Berkeley, $1,050,000, Proposal No. 2677-263

--Approved

9. "SOA Formation: Chamber Study and Model Development," University of California, Riverside, $474,334, Proposal No. 2671-263

--The Committee requested that this item be deferred to the next Research Screening Committee meeting.

10. "Study of In-Use Engine Deterioration in Diesel Off-Road Equipment," University of California, Riverside, $300,000, Proposal No. 2676-263

--Approved

Standard Agreements

11. "Development of an Updated Base Case Ambient VOC Mixture for Assessing Atmospheric Reactivity," University of Texas, $40,000, Proposal No. 2670-263

--Approved

12. "Characterization of Ambient Aerosol Sources and Processes During CalNex 2010 with Aerosol Mass Spectrometry," University of Colorado, Boulder, $285,000, Proposal No. 2672-263

--Approved

13. "Low VOC, Stain Blocking Specialty Primer Coating," California Polytechnic University, $249,996, Proposal No. 2675-263

--Approved

Draft Final Reports

14. "On-Road Measurement of Light-Duty Gasoline and Heavy-Duty Diesel Vehicle Emission Trends," University of California, Berkeley, $271,463, Contract No. 05-309

--Approved

15. "Climate Change – Characterization of Black Carbon and Organic Carbon Air Pollution Emissions and Evaluation of Measurement Methods," Desert Research Institute, $449,997, Contract No. 04-307

--Approved

16. "Improving the Carbon Dioxide Emission Estimates from the Combustion of Fossil Fuels in California and Spatial Disaggregated Estimate of Energy-Related Carbon Dioxide for California," University of California, Berkeley, $105,000 Contract No. 05-310

--Approved

17. "Development of an Improved VOC Analysis Method for Architectural Coatings," California Polytechnic State University, $242,337, Contract No. 04-329

--Approved

Other Business

18. Update to the Interagency Proposal titled "Potential Design, Implementation, and Benefits of a Feebate Program for New Passenger Vehicles in California," University of California, Davis, $796,641, Proposal No. 2668-262

--No action necessary.

19. Change of scope for project titled "Development of the UCB-L Particle Monitor for California Applications in Environmental Justice," University of California, Berkeley, $213,088, Contract No. 06-321

--No action necessary.